

**Amendments to the Claims:**

Please amend claims 40-44, 47-60 and 76-78 and cancel claims 45, 46 and 61-75 without prejudice or disclaimer as follows:

1.-39. (Cancelled)

40. (Currently Amended) A heat exchanger unit for motor vehicles, having comprising:

a first heat exchanger including two spaced collector pipes that are connected together in terms of flow, wherein a cross-section of a wall of one of the collector pipes of the first heat exchanger has a non-circular shape;

~~as well as a second heat exchanger positioned adjacent to the first heat exchanger and including, each of these heat exchangers having two spaced collector pipes situated at a distance from one another, and each, wherein the second heat exchanger is a condenser and a cross-section of a wall of at least one of the collector pipes of the second heat exchanger is one of oval, elliptical, or circular in shape, and wherein a front wall of at least one of the collector pipes of the first heat exchanger faces an adjacent collector pipe of the second heat exchanger, the front wall having a continuously convex cross-section,~~

a first one of the collector pipe-pipes of the first heat exchanger being positioned ~~situated essentially~~ adjacent to ~~a one of the collector pipe-pipes~~ of the second heat exchanger, and ~~in addition the other~~ a second one of the collector pipe-pipes of the first heat exchanger being ~~situated essentially~~ positioned adjacent to the other collector pipe of the second heat exchanger, and ~~in addition~~ and

a collector connected to one of the collector pipes of the second heat exchanger

~~the two collector pipes of the first heat exchanger being connected to one another in terms of flow, and the two collector pipes of the second heat exchanger being connected to one another in terms of flow, and a cross section or cross sections of the covering wall of a collector pipe of the first heat exchanger having a non circular shape, regarded perpendicular to the longitudinal axis, of this collector pipe, the second heat exchanger being a condenser, in particular an air conditioning condenser, and a collector 90 being situated on a collector pipe of the second heat exchanger, and the cross section or cross sections of the covering wall of at least one collector pipe of the second heat exchanger being essentially oval or (annularly) elliptical, or essentially circular in shape, regarded perpendicular to the longitudinal axis, of the relevant collector pipe; and the front wall of the peripheral wall of at least one collector pipe of the first heat exchanger, which is the wall facing an adjacent collector pipe of another heat exchanger, being~~

~~continuously convex in the cross-section regarded perpendicular to the longitudinal axis of this collector pipe.~~

41. (Currently Amended) A heat exchanger unit for motor vehicles, having comprising:

a first heat exchanger ~~as well as~~ including two spaced collector pipes that are connected together in terms of flow, wherein a cross-section of one of the collector pipes of the first heat exchanger has a non-circular shape;

a second heat exchanger positioned adjacent to the first heat exchanger and including two spaced collector pipes that are connected together in terms of flow, wherein the second heat exchanger is a condenser, and wherein a cross-section of a wall of at least one of the collector pipes of the second heat exchanger is one of oval, elliptical, or circular in shape, each of these heat exchangers having two collector pipes situated at a distance from one another, and each

a first one of the collector pipe-pipes of the first heat exchanger being situated essentially adjacent to a one of the collector pipe-pipes of the second heat exchanger, and in addition the other a second one of the collector pipe-pipes of the first heat exchanger being situated essentially adjacent to the other collector pipe of the second heat exchanger, and in addition the two collector pipes of the first heat exchanger being connected to one another in terms of flow, and the two collector pipes of the

~~second heat exchanger being connected to one another in terms of flow, and a cross-section or cross sections of the covering wall of a collector pipe of the first heat exchanger being non circular in shape, regarded perpendicular to the longitudinal axis, of this collector pipe, the second heat exchanger being a condenser, in particular an air-conditioning condenser, and a collector being situated on a collector pipe of the second heat exchanger, and the cross-section or cross sections of the covering wall of at least one collector pipe of the second heat exchanger being essentially oval or (annularly) elliptical, or essentially circular in shape, regarded perpendicular to the longitudinal axis of the relevant collector pipe; and the a front wall of the peripheral wall of at least one of the collector pipe-pipes of the first heat exchanger, which is the wall facing an adjacent one of the collector pipe-pipes of another the second heat exchanger, wherein the front wall has a being continuously concave in the cross-sectionsegment, and~~

~~a collector connected to one of the collector pipes of the second heat exchanger <sup>non</sup> regarded perpendicular to the longitudinal axis of this collector pipe.~~

42. (Currently Amended) A heat exchanger unit for motor vehicles, ~~having comprising:~~ a first heat exchanger including two spaced collector pipes that are connected together in terms of flow, wherein a cross-section of one of the collector pipes of the first heat exchanger has a non-circular shape; as well as and

a second heat exchanger positioned adjacent to the first heat exchanger and  
including, each of these heat exchangers having two spaced collector pipes situated at a  
distance from one another that are connected together in terms of flow, wherein the  
second heat exchanger is a condenser, and wherein a cross-section of a wall of at least  
one of the collector pipes of the second heat exchanger is one of oval, elliptical, or  
circular in shape, and each

a first one of the collector pipe-pipes of the first heat exchanger being  
situated essentially adjacent to a one of the collector pipe-pipes of the second heat  
exchanger, and in addition the other a second one of the collector pipepipes of the first  
heat exchanger being situated essentially adjacent to the other collector pipe of the  
second heat exchanger, wherein a front wall of at least one of the collector pipes of the  
first heat exchanger faces an adjacent one of the collector pipes of the second heat  
exchanger, the front wall having a convex segment and a concave segment, and in  
addition the two collector pipes of the first heat exchanger being connected to one  
another in terms of flow, and the two collector pipes of the second heat exchanger being  
connected to one another in terms of flow, and a cross section or cross sections of the  
covering wall of a collector pipe of the first heat exchanger being non-circular in shape,  
regarded perpendicular to the longitudinal axis, of this collector pipe, the second heat  
exchanger being a condenser, in particular an air-conditioning condenser, and

~~a collector being situated on a collector pipe connected to one of the collector pipes of the second heat exchanger, and the cross section or cross sections of the covering wall of at least one collector pipe of the second heat exchanger being essentially oval or (annularly) elliptical, or essentially circular in shape, regarded perpendicular to the longitudinal axis of the relevant collector pipe; the front wall of the peripheral wall of at least one collector pipe of the first heat exchanger, which is the wall facing an adjacent collector pipe of another heat exchanger, having a convex segment and a concave segment in the cross section regarded perpendicular to the longitudinal axis of this collector pipe.~~

43. (Currently Amended) A heat exchanger unit for motor vehicles, ~~having comprising:~~

a first heat exchanger including two spaced collector pipes that are connected together in terms of flow, wherein a cross-section of one of the collector pipes of the first heat exchanger has a non-circular shape; as well as and

a second heat exchanger positioned adjacent to the first heat exchanger and including two spaced collector pipes that are connected together in terms of flow, wherein the second heat exchanger is a condenser, and wherein a cross-section of a wall of at least one of the collector pipes of the second heat exchanger is one of oval,



~~elliptical, or circular in shape, each of these heat exchangers having two collector pipes situated at a distance from one another, and each~~

~~a first one of the collector pipe-pipes of the first heat exchanger being situated essentially adjacent to a one of the collector pipe-pipes of the second heat exchanger, and in addition the a second one of the other collector pipe-pipes of the first heat exchanger being situated essentially adjacent to the other collector pipe of the second heat exchanger, and a front wall of at least one of the collector pipes of the first heat exchanger facing an adjacent one of the collector pipes of the second heat exchanger, the front wall having a straight segment, and positioned at an incline relative to the collector pipes of this first heat exchanger; and in addition the two collector pipes of the first heat exchanger being connected to one another in terms of flow, and the two collector pipes of the second heat exchanger being connected to one another in terms of flow, and a cross section or cross sections of the covering wall of a collector pipe of the first heat exchanger being non-circular in shape, regarded perpendicular to the longitudinal axis, of this collector pipe, the second heat exchanger being a condenser, in particular an air conditioning condenser, and a collector being situated on a collector pipe of the second heat exchanger, and the cross section or cross sections of the covering wall of at least one collector pipe of the second heat exchanger being essentially oval or (annularly) elliptical, or essentially circular in shape, regarded perpendicular to the longitudinal axis of the relevant collector pipe;~~

a heat exchanger block, having a plurality of parallel pipes oriented in parallel, being provided between the collector pipes of the each of the first and second~~respective heat exchangerexchangers; the~~

~~front wall of the peripheral wall of at least one collector pipe of the first heat exchanger, which is the wall facing an adjacent collector pipe of another heat exchanger, having a flat or straight construction, regarded in the cross-section perpendicular to the longitudinal axis of this collector pipe, and running at an incline to the pipes of this first heat exchanger.~~

44. (Currently Amended) A heat exchanger unit for motor vehicles, having comprising:

a first heat exchanger including two spaced collector pipes that are connected together in terms of flow, wherein a cross-section of one of the collector pipes of the first heat exchanger has a non-circular shape; as well as and

a second heat exchanger positioned adjacent to the first heat exchanger and including two spaced collector pipes that are connected together in terms of flow, wherein the second heat exchanger is a condenser, and wherein a cross-section of a wall of at least one of the collector pipes of the second heat exchanger is one of oval, elliptical, or circular in shape, each of these heat exchangers having two collector pipes situated at a distance from one another, and each



a first one of the collector pipe-pipes of the first heat exchanger being situated essentially adjacent to a one of the collector pipepipes of the second heat exchanger, and in addition the other a second one of the collector pipe-pipes of the first heat exchanger being situated essentially adjacent to the other collector pipe of the second heat exchanger, and a front wall of at least one of the collector pipes of the first heat exchanger facing an adjacent collector pipe of the second heat exchanger, the front wall having straight segments, which are positioned at an angle relative to a longitudinal axis of one of the collector pipes of the first heat exchanger, the front wall and the longitudinal axis forming an angle between 95° and 175°~~and in addition the two collector pipes of the first heat exchanger being connected to one another in terms of flow, and the two collector pipes of the second heat exchanger being connected to one another in terms of flow, and a cross section or cross sections of the covering wall of a collector pipe of the first heat exchanger being non-circular in shape, regarded perpendicular to the longitudinal axis, of this collector pipe, the second heat exchanger being a condenser, in particular an air-conditioning condenser, and~~

a collector being situated on~~connected to a one of the collector pipepipes of the second heat exchanger, and the cross section or cross sections of the covering wall of at least one collector pipe of the second heat<sup>ex</sup> exchanger being essentially oval or (annularly) elliptical, or essentially circular in shape, regarded perpendicular to the longitudinal axis, of the relevant collector pipe; and~~

a heat exchanger block, having a plurality of parallel pipes ~~oriented in parallel, being provided between the collector pipes of the each of the first and second~~  
~~respective heat exchangerexchangers; the front wall of the peripheral wall of at least one~~  
~~collector pipe of the first heat exchanger, which is the wall facing an adjacent collector~~  
~~pipe of another heat exchanger, having segments that are straight or flat in shape,~~  
~~regarded in the cross section perpendicular to the longitudinal axis of this collector pipe,~~  
~~and which are situated at an angle to, or obliquely to, the longitudinal axis of a pipe of the~~  
~~first heat exchanger, enclosing with one another an angle in the range between 95° and~~  
~~175°.~~

45. (Cancelled)

46. (Cancelled)

47. (Currently Amended) The heat exchanger unit of claim 40,  
wherein a cross-section ~~or cross sections of the covering of~~ a wall of at least one of the  
collector ~~pipe pipes~~ of one of the first heat exchanger and the ~~and/or~~ second heat  
exchanger, ~~regarded perpendicular to the longitudinal axis of the relevant collector pipe,~~  
~~are constructed in such a way that~~ includes overlapping wall segments ~~are present.~~

48. (Currently Amended) The heat exchanger unit of claim 40, wherein the first heat exchanger unit ~~has at least one heat exchanger that~~ is a radiator and ~~that has two collector pipes at a distance from one another, these two collector pipes of this heat exchanger being connected to one another in terms of flow, and in addition the covering, wherein a wall of at least one or both of these the collector pipes of the first heat exchanger being is non-circular in shape, regarded in the cross section or cross sections perpendicular to the longitudinal axis of the relevant pipe, and the wall, facing faces the other collector pipe of this the first heat exchanger, another wall of the covering wall of this collector pipe of the first heat exchanger being a floor wall, and wherein the floor wall of includes one or both of these collector pipes having a curved segment that is curved in the named cross section or cross sections, or is essentially completely curved.~~

49. (Currently Amended) The heat exchanger unit of claim 40, wherein the first heat exchanger is a radiator, ~~or has at least one radiator,~~ and the second heat exchanger is an air-conditioner condenser.

50. (Currently Amended) The heat exchanger unit of claim 40, wherein at least one of the collector pipe pipes of the first heat exchanger is limited by a floor wall (the floor wall) that is situated on the side facing that faces the other collector pipe of this first heat exchanger, and by a an outer wall (the outer wall) that is situated on

~~the side facing~~that faces away from the other collector pipe of ~~this~~the first heat exchanger, ~~and by a front wall (the front wall)~~ that faces the adjacent collector pipe of the second heat exchanger, ~~as well as by a~~and a rear wall ~~(the rear wall)~~ that faces away from the adjacent collector pipe of the second heat exchanger, ~~it being provided in particular that the direction of longitudinal extension of these walls corresponds essentially to the direction of longitudinal extension of this collector pipe of the first heat exchanger.~~

51. (Currently Amended) The heat exchanger unit of claim 40, wherein at least one ~~wall segment or a wall of the covering~~of the wall of a one of the collector ~~pipe pipes~~ of the first heat exchanger is concavely curved, ~~regarded in a cross-section or in all cross-sections that is/are situated perpendicular to the longitudinal axis of this collector pipe.~~

52. (Currently Amended) The heat exchanger unit of claim 40, wherein at least one ~~wall or a wall segment of the covering~~ wall of a one of the collector ~~pipe pipes~~ of the first heat exchanger is convexly curved, ~~regarded in the cross-section or cross-sections perpendicular to the longitudinal axis of this collector pipe.~~

53. (Currently Amended) The heat exchanger unit according to Claim 52, ~~characterized in that this~~wherein the convexly curved wall-segment ~~and/or this~~  
~~convexly curved wall~~ is curved in such a way that various radii of curvature (R) are present in ~~this wall~~the convexly curved segment ~~or in this wall~~.

54. (Currently Amended) The heat exchanger unit according to Claim 52, ~~characterized in that this~~wherein the convexly curved wall-segment ~~or this~~  
~~convexly curved wall~~ is curved in such a way that the (segment) length ( $s_{total}$ ) of ~~this the~~  
convexly curved wall ~~segment~~or of this convexly curved wall segment is less than  $(0.5 \cdot x \cdot \pi)$  times the radius of curvature (R) of this wall-segment ~~or of this wall~~, x being greater than zero and less than 0.8.

55. (Currently Amended) The heat exchanger unit according to Claim 52, ~~characterized in that this~~wherein the convexly curved wall-segment ~~or this~~  
~~convexly curved wall~~ is curved in such a way that along the (segment) length ( $s_{total}$ ) of this convexly curved wall ~~segment~~segment, ~~or of this convexly curved wall segment~~, various radii of curvature (R) are provided, the (segment) length ( $s_{total}$ ) being less than  $(0.5 \cdot x \cdot \pi)$  times ~~the~~ a minimum radius of curvature ( $R_{minimum}$ ) of these radii of curvature (R), and x being greater than zero and less than 0.8.

56. (Currently Amended) The heat exchanger unit according to Claim 52, ~~characterized in that this~~wherein the convexly curved wall segment, ~~or this convexly curved wall,~~ is curved in such a way that along the (segment) length ( $s_{total}$ ) of this convexly curved wall, ~~or of this convexly curved wall segment,~~ various radii of curvature are provided, the (segment) length ( $s_{total}$ ) being less than  $(0.5 \cdot x \cdot \pi)$  times the mean radius of curvature ( $R_{mean}$ ) of ~~this the wall segment or of this wall,~~ the wall segment,  $x$  being greater than zero and less than 0.8, and the mean radius of curvature ( $R_{mean}$ ) corresponding to the quotient of an integral and the (segment) length ( $s_{total}$ ), this integral being the integral of  $(s \cdot R(s))ds$  within the limits  $s=0$  and  $s=s_{total}$ ,  $s$  being the path running along the convexly curved wall segment, ~~or along the convexly curved wall,~~ and  $R(s)$  being the radius of curvature at a particular position along this path.

57. (Currently Amended) The heat exchanger unit according to Claim 52, ~~characterized in that~~wherein the front wall and/or the floor wall has ~~such~~includes said a convexly curved wall segment, or is such a curved wall segment.

58. (Currently Amended) The heat exchanger unit according to Claim ~~57~~50, ~~characterized in that~~wherein the rear wall and the outer wall each have a flat construction, ~~or, in the cross section perpendicular to the longitudinal axis of the collector pipe, an essentially straight construction,~~ and are oriented essentially perpendicular to one



another, ~~it being provided in particular that the rear wall is being~~ oriented essentially parallel to ~~(coolant)-~~pipes that produce a flow connection between the two collector pipes of the first heat exchanger.

59. (Currently Amended) The heat exchanger unit according to claim 40, ~~characterized in that the covering~~ a wall of a one of the collector pipe-pipes of the first heat exchanger has adjacent wall-segments that are ~~essentially flat or straight and that enclose with one another~~ define an angle between  $95^{\circ}$  and  $175^{\circ}$ , ~~preferably in the range from  $100^{\circ}$  to  $170^{\circ}$ , regarded in the cross-section perpendicular to the longitudinal axis of the collector pipe of the first heat exchanger.~~

60. (Currently Amended) The heat exchanger unit according to claim 41, ~~characterized in that~~ wherein at least one of the collector pipes and the connection in terms of flow of the collector pipes, and/or the entire heat exchanger unit, are made of aluminum.

61.-75. (Cancelled)

76. (Currently Amended) The heat exchanger unit according to claim 52, ~~characterized in that the covering~~wherein a wall of a collector pipe of the first heat exchanger has adjacent wall-segments that are ~~essentially flat or straight~~ and that ~~define~~ enclose with one another an angle between  $95^{\circ}$  and  $175^{\circ}$ , ~~preferably in the range from  $100^{\circ}$  to  $170^{\circ}$ , regarded in cross section perpendicular to the longitudinal axis of the collector pipe of the first heat exchanger.~~

77. (Currently Amended) The heat exchanger unit according to claim 76, ~~characterized in that~~wherein the front wall has at least two such adjacent flat or straight wall-segments that ~~enclose with one another~~define an angle between  $95^{\circ}$  and  $175^{\circ}$ , ~~preferably in the range from  $100^{\circ}$  to  $170^{\circ}$ , regarded in the cross section perpendicular to the longitudinal axis of the collector pipe of the first heat exchanger.~~

78. (Currently Amended) The heat exchanger unit according to claim 52, ~~characterized in that~~wherein at least one of the collector pipes and ~~the connection in terms of flow of the collector pipes, and/or the entire heat exchanger unit,~~ are made of aluminum.